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| **Oliver Hurley**  **E-mail:-oliverhurley@inbox.lv**  **Charleston, WV**  **CITIZEN** | |
| **Profile Snapshot**   * Seasoned Professional with over 13 years of experience in DevOps & Cloud on both AWS and Azure with a proven track record. * A focus on containerization technologies such as Docker, Kubernetes, and OpenShift. * Utilized core AWS & Azure Database services to establish robust database infrastructures. * Proficient in scripting languages including Bash, Python and Groovy to automate tasks and enhance workflow efficiency. * Demonstrated proficiency across key Cloud components like EC2/Virtual Machines; S3/Storage; ELB/Load Balancing; DNS/Route53; VPC, and Auto Scaling. * Successfully deployed advanced services including EKS/AKS, ECS/ACS and Terraform, CloudFormation, and Resource Manager. * Orchestrated Jenkins-based environments, facilitating seamless continuous integration and delivery processes. * Proficiently configured and deployed applications on servers including WebLogic, Nginx, and Apache Tomcat * Leveraged configuration management tools such as Ansible, Puppet, and Chef to expertly manage large-scale environments, ensuring consistent system configurations * Implemented robust security practices including IAM, AAD, CloudWatch, Monitor and CloudTrail for security and compliance. * Used Jenkins Files as groovy scripted pipelines to build the Docker images, push them to the Docker registry and perform the rolling deployments on to the Kubernetes Clusters. Developed automation and deployment utilities using Python, Ruby, Bash, PowerShell. * Installed and configured monitoring tools like SPLUNK and Nagios to maintain infrastructure stability and availability * Successfully adhered to project lifecycle methods, ensuring timely delivery within budget and schedule constraints * Proficiently used build tools like Maven, Gradle, and NPM to create and deploy artifacts from source code * Exemplified a troubleshooter's mindset, effectively addressing issues in building, deploying, and production support phases while meticulously documenting solutions * Deployed web applications on AWS S3 via CloudFront and Route 53 using AWS CloudFormation * Provided mentorship and leadership, contributing to high-performing teams through exceptional communication, analytical skills, and interpersonal dynamics |
| **Technical Skills**   * **DevOps:** Docker, Ansible, Kubernetes, Chef, Puppet, Jenkins, Maven, Gradle, Subversion, Git * **CLOUD:** AWS, Azure * **SCRIPTING:** Python, Bash Shell, and Groovy scripting * **MARKUP:** JSON, HCL, YAML, XML * **OPERATING SYSTEMS:** Unix/Linux, Ubuntu, Amazon Linux, CentOS, Windows, Windows Server * **MONITORING AND SECURITY:** CloudWatch, Azure Monitor, CloudTrail, Splunk, ELK, Prometheus, Shield, Guard Rails * **NETWORK PROTOCOLS**: TCP/IP, UDP/IP, DNS, DHCP, SMTP, SNMP, ICMP * **DATABASE:** DynamoDB, SQL Server, MySQL, Postgres DB, MariaDB, Amazon Aurora | |

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| **Professional Experience**  **AWS & Azure Architect**  **Sep’22-Present, Marathon Petroleum, Ohio**  Marathon Petroleum Corp (MPC) is a downstream energy company that refines, markets, and transports petroleum products. together with its subsidiaries, operates as an integrated downstream energy company primarily in the United States. It operates in two segments, Refining & Marketing, and Midstream.   * Followed agile methodology, leading the implementation of a comprehensive CI/CD solution utilizing tools like Ansible, Jenkins, Git, and Docker. This streamlined deployment processes and fostered iterative development cycles. * Proposed a transformative shift from legacy manual deployment processes to modern DevOps tools (Ansible, Jenkins, Kubernetes, Docker, Git) This strategic shift resulted in significant cost reduction, increased operational efficiency, and minimized manual effort. * Managed end-to-end DevOps practices, overseeing daily operations from development through to production environments, ensuring seamless and efficient workflows * Designed and implemented robust CI/CD components and processes tailored to application deployments, enhancing release efficiency and reliability * Led the development, automation, deployment, and configuration of IT solutions using DevOps platforms. * Skilfully translated technical requirements into reusable components to enhance scalability and efficiency * Conducted thorough evaluations of existing applications and platforms, offering insightful recommendations for enhancing performance * Designed, implemented and evaluated applications, systems and utilities relevant to Active Directory domain services. * Developed Jenkins Files as groovy scripted pipelines to build the Docker images, push them to the Docker registry and perform the rolling deployments on to the Kubernetes Clusters. Developed automation and deployment utilities using python and PowerShell. * Played a pivotal role in suggesting technology-driven enhancements to improve functional efficiency and business excellence. Demonstrated adeptness in risk management and contingency planning to minimize potential disruptions * Engaged in cross-functional collaboration, actively participating in meetings, project reviews, and online conferences to drive and disseminate changes across the organization. * Established and managed comprehensive monitoring, logging, and alerting solutions, ensuring operational visibility, quick production readiness, and maximum application availability * Contributed to the evolution of monitoring toolsets by analysing requirements from various teams, proposing improvements, and implementing enhancements to address specific use cases and needs * Coordinated closely with Development and Testing Teams, establishing robust build schedules and efficiently executing builds while troubleshooting any build failures. * Monitored the Active directory replication status and the health check od DCs and troubleshoot. * Took charge of daily system monitoring, ensuring hardware, server resources, systems, and key processes maintained integrity and availability by reviewing logs, completing scheduled jobs, and handling backups. * Successfully orchestrated complex enterprise product deployments, including service pack installations, patches, upgrades, and intricate configuration changes * Effectively managed and monitored universal control panels and BSM dashboards, contributing to unit testing and ensuring the functionality and quality of diverse products * Operated as a key Implementation Engineer, actively driving changes to products and their infrastructure to meet evolving business needs and technological advancements. * Acted as an Implementation Engineer in implementing changes to the products and in their infrastructure * Used Kubernetes to orchestrate the deployment, scaling and management of Docker containers. * Used Jenkins pipelines to drive all micro services build out to the Docker registry and then deployed to Kubernetes, created Pods and managing using Kubernetes. * Design and support in the Active Directory including the Group Policy Object (GPO), Active directory Schema (ADS), User mappings, Bit locker, etc. * Designed detailed migration plans for workloads from any platform to AWS. * Utilized workload migration tools to AWS (cloudscape, Zerto, platespin, etc) * Built S3 buckets and managed policies for S3 buckets and used S3 bucket and glacier for storage and backup on AWS * Worked in the start-up which developed IoT platform for Smart lighting control and data analytics products   **AWS Cloud Architect**  **Jun’20-Aug’22, Liberty Mutual Insurance Group, Boston**  It is the fifth largest global property and casualty insurer based on 2022 gross written premium. Liberty Mutual Insurance supports its customers and people, so they can protect their families, build their businesses and invest in their futures by offering numerous insurance policies.   * Revolutionized infrastructure operations by orchestrating Continuous Deployment, setting up Application Servers, and implementing Stack Monitoring through meticulously crafted Ansible playbooks * Automated the infrastructure operations using Jenkins and Rundeck tools, enhancing efficiency * Led the deployment of code to Tomcat servers via Maven projects, optimizing the workflow and version control using Git and Jenkins integration * Leveraged Kubernetes to masterfully orchestrate the deployment, scaling, and management of Docker containers, enhancing application flexibility and resilience * Championed comprehensive automation of code and application deployment using Git, GitHub, and Jenkins, with Docker image deployment streamlined to Docker registries via Jenkins * Established stringent security protocols within the AWS Cloud environment, ensuring the safeguarding of critical assets and compliance with security standards * Deploying VM's, Storage, Network and Affinity Group through PowerShell Script. * Strategically divided monolithic applications into microservices by creating and deploying Docker containers, ushering in enhanced developer workflows, scalability, and application speed * Played a key role in the seamless upgrade of Atlassian Tools across Dev, UAT, and Production environments, guaranteeing uninterrupted and optimized toolset functionality * Architected and configured Jira Agile Projects, Fields, Screens, and notification schemes in alignment with specific project requirements * Configured and maintained essential Linux applications including Apache, Active Directory, BIND, SSH, NFS, DHCP, and SNMP, ensuring seamless operation and reliability. * Engineered and executed a robust end-to-end CI/CD pipeline, ensuring the seamless transition of code from development to production while maintaining high-quality standards and minimizing manual intervention * Applied diligent system analysis and usability testing to ensure optimal system reliability and scalability * Expertly automated AWS resources including EC2 instances and S3 storage using YAML-based Ansible playbooks, further streamlined through Jenkins integration * Mastered the administration of critical AWS services, including IAM, VPC, Route 53, EC2, S3, ELB, Code Deploy, RDS, ASG, and CloudWatch, orchestrating a resilient and high-performance cloud infrastructure * Provided insightful input on intricate questions related to AWS system architecture, showcasing a deep understanding of cloud principles and best practices * Orchestrated the migration of Jira instances from various other tool sets, ensuring seamless transition of test cases and test runs, thereby preserving continuity and data integrity * Builiding/maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build test deploy. * Developed microservice on boarding tools leveraging Python and Jenkins, allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services. * Leaded the migration of infrastructure data and applications out of legacy data centers into cloud and hybrid environments. * Involved in designing and developing Amazon EC2, Amazon S3, Amazon RDS, Amazon elastic load balancing, Amazon SWF, Amazon SQS and other services of the AWS infrastructure. * Designed the data models to be used in data intensive AWS Lambda applications which are aimed to do complex analysis creating analytical reports for end to end traceability, lineage, definition of key business elements from Aurora. * Consultation to multiple customers on IoT transformation which includes developing end-to-end solutions and strategies, creating prototypes and execution of turnkey projects * Redesigned the views in snowflake to increase the performance * Developed data warehouse model in snowflake using wherescape, * Creating reports in looker based on snowflake connections * Optimize the pyspark jobs to run on kubernets cluster for faster data processing   **AWS Cloud Engineer**  **Aug’18-May’20, AbbVie Inc., Chicago, Illinois**  AbbVie Inc. is an American pharmaceutical company headquartered in North Chicago, Illinois. It is ranked 6th on the list of largest biomedical companies by revenue. The company's primary product is Humira, administered via injection.   * Configured and maintained essential Linux applications including Apache, Active Directory, BIND, SSH, NFS, DHCP, and SNMP, ensuring seamless operation and reliability * Implemented and adeptly configured Nagios for continuous monitoring of applications, proactively identifying and addressing potential issues * Leveraged JIRA for comprehensive issue tracking and monitoring, enhancing project visibility and collaboration * Strategically orchestrated Jenkins Pipelines, streamlining weekly and nightly builds, while concurrently developing a refined test environment, it reduced integration challenges and elevated code quality * Demonstrated prowess in configuring Linux servers to facilitate Oracle Real Application clusters and managed SAN-based network configurations, switches, and 3PAR OS virtualization * Leveraged Jenkins to establish robust pipelines, efficiently adding multiple nodes for enhanced scalability * Configured SSH for seamless continuous deployments * Administered Linux servers, overseeing critical functions such as Apache/Tomcat server management, mail server operations, MySQL database administration, and firewall configuration, both in development and production environments * Reengineered processes and introduced tools for efficient software builds, patch creation, source control, and release tracking and reporting on UNIX platforms * Played a key role in conducting User Management, Plugin Management, and end-to-end automation of the Build and Deployment process using Jenkins, ensuring streamlined workflows * Contributed to network infrastructure by working on Switch configurations (Brocade and Cisco) and successfully implementing vCenter and VMware ESXi Hypervisors installations, facilitating environment setup. * Established NIS and DNS naming services while administering public DNS servers, ensuring reliable and efficient name resolution * Monitored system activities, including CPU, Memory, Disk, and Swap space usage, effectively preempting and addressing potential performance bottlenecks * Managed source code repositories, build, and release configurations, meticulously guiding daily development, testing, and production build and software deployment operations * Worked with Openshift platform managing Docker containers and Kubernetes clusters * Utilized Kubernetes for the runtime environment of the CI/CD system to build, test deploy * Provided support from data migration from old warehouse to the newest. * Created a Lambda deployment function and configured it to receive events from the S3 bucket * Developed and supported web applications using HTML, Javascript, CSS to display IoT data on user interface * Consulting on snowflake data platform solution architecture, design, development and deployment focused to bring the data driven culture across the enterprises * Built the logical and physical data model for snowflake as per the changes required * Created Pyspark frames to bring data from DB2 to Amazon S3 * Implemented and managed GPO to secure the Active Directory environment * Designed and implemented the Active Directory and network fundamentals protocols such as TCP/IP, DNS and Group policy.   **AWS/Cloud Engineer**  **Sep’16-Jul’18, Ikea, Conshohocken, Pa**  IKEA is a Swedish/Dutch multinational conglomerate that designs and sells ready-to-assemble furniture, kitchen appliances, decoration, home accessories, and various other goods and home services. IKEA brand is owned by a holding company called Inter IKEA Holding SA.   * Developed builds using ANT and Maven as build tools and used CI tools to move builds from one environment to another environment * Set up and configured IIS and application pools and deployed ASP.NET web application to AWS * Managed source code repository, build and release configurations/processes, and tools to support daily development, testing, and production builds and software deployment operations * Worked with development teams providing deployment services from initial development through production deployments. * Managed and analyzed scalable data using AWS RDS * Created the automated build and deployment process for the application, leading up to building continuous integration and continuous deployment system * Designed and implemented fully automated server build management, monitoring, and deployment using Chef and installed Tomcat instances, and managed multiple application configurations by creating Puppet manifest files * Created and developed REST-based web services returning JSON-type of responses * Developed a test environment that reduced integration issues and improved code quality. JUnit testing and deployments using multiple Jenkins plugins * Modified the SCM database for software lifecycle process flow, user permissions, access, and file attributes in response to user requests * Configured cloud trail to monitor API activity of users * Implemented pipelines in Jenkins. Added multiple nodes to Jenkins and configured SSH for continuous deployments * Performed various development activities for DevOps practices, including continuous integration, continuous delivery, continuous testing, and continuous monitoring * Worked with the Release Manager to improve build automation and reduce bottlenecks in the delivery pipeline * Redefined processes and implemented tools for software builds, patch creation, release tracking, and reporting * Changed the AWS infrastructure Elastic Beanstalk to Docker with Kubernetes * Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT and Docker. * Delivered successful client migration strategies based on business and technical needs * Leaded the quality of he migrated data and the validity of the migration processes and operation * Deployed AWS Lambda code from Amazon S3 buckets. * Defined virtual warehouse sizing for snowflake for different type of workloads * Created data sharing between two snowflake accounts * Developed spark applications in Python (Pyspark) on distributed environment to load huge number of CSV files with different schema in to Hive ORC Tables   **AWS DevOps Engineer**  **Jan’15-Aug’16, The Home Depot, Atlanta**  It is an American multinational home improvement retail corporation that sells tools, construction products, appliances, and services, including fuel and transportation rentals. Home Depot is the largest home improvement retailer in the United States.   * Managed the cloud infrastructure supporting Home Depot’s applications while providing comprehensive support to application teams and software developers leveraging the cloud * Expertly established VPC peering connections between AWS accounts, enhancing network connectivity and facilitating secure data exchange * Created Organizational Unit and provide delegation with necessary permissions according to the Business Unit of a large enterprise active directory environment, including troubleshooting users and tenants provisioning in Office 365. * Streamlined the provisioning of Auto Scaling groups through automated workflows using Terraform, GitHub, and Jenkins, ensuring dynamic and efficient resource allocation * Utilized automated processes with Terraform, GitHub, and Jenkins to decommission stacks, efficiently managing cloud resources and maintaining cost-effectiveness * Exhibited versatility by manually modifying resources in the AWS console when automated deployments encountered exceptions, meticulously updating the Terraform state file for accurate tracking * Successfully uploaded SSL certificates to AWS IAM using the AWS Command Line Interface, enhancing security and enabling secure communication for applications * Managed the archival of repositories belonging to decommissioned applications, ensuring a well-organized and clutter-free repository environment. * Implemented operational efficiencies using scripting tools (Python and PowerShell). * Contributed to seamless onboarding of new applications into the cloud environment, proficiently configuring route tables and security groups for optimal application performance and security * Championed the stack rehydration process, adeptly building new instances using rigorously tested AMIs validated by our QA team. This strategic approach enhanced stack reliability and performance * Assumed primary and secondary on-call duties on a rotational basis, demonstrating a commitment to continuous availability and swift issue resolution * Used Kubernetes to orchestrate the deployment, scaling and management of Docker containers * Used Jenkins pipelines to drive all microservices build out to the Docker registry and then deployed to Kubernetes. * Worked with Devops practices using AWS, Elastic Bean stalk and Docker with Kubernetes * Managed end to end complex data migration, conversion and data modelling * Validated the data from SQL server to snowflake to make sure it match between warehouse * Designed data model for MySQL database to store application metadata to store IoT sensor data in JSON format * Developed framework for converting existing PowerCenter mappings to Pyspark (python and spark jobs)   **PREVIOUS ASSIGNMENT**  **Asst. Multi-Technology Specialist**  **Jan’10-Dec’14, Education and Collaborative Technology Center at GRU, Augusta, GA**   * Managed the circulation desk and handled the networking needs * Assisted customers with multimedia project needs * Provided general support for equipment and software * Performed necessary updates to ensure all equipment are in good shape for the next day * Secured all equipment and addressed all queries timely * Assisted in troubleshooting the hardware assets such as students' Laptop and classroom Desktop * Solved the hardware issues over the phone calls and resolve computer issues   **Education**   * Master’s degree in computer science from City University of Seattle * Bachelor’s degree in biology from Augusta University | |
| **Certifications** |  |
| * AWS Beginners Course, Edureka * Professional Scrum Master * Ken Schwarber * AWS Solutions Architect * (ISC)2 Certified in Cybersecurity (CC) * Azure Fundamentals - AZ-900 * Azure Database Administrator Associate - DP-300 | |